

Program sessions

Wednesday, June 27

8:00-8:30 am *Continental Breakfast*

8:30-9:00 **Welcome:** DOE- David Thomassen
NASA-Walter Schimmerling

9:00-9:45 **Guest speaker: Claire Frasier?** (The new genomics, high throughput proteomics)

9:45-10:00 *Coffee Break*

Session A -Tools and Technology

10:00-10:30 Overview speaker: **Leslie Braby**

10:30-11:30 **Panel: Exposure Technology and Facilities**
Barry Michael, Leslie Braby, Greg Kimmel, Derek Lowenstein, Gregory Nelson, Richard Smith, Walter Wilson, Hiroshi Yasuda, Ugo Amaldi or Mavro Belli

11:30-12:30 **Panel: Radiation Environments of Concern to NASA**
Tom Borak, James Adams, Gautam Badhwar, Lawrence Heilbronn, Richard Maurer, Jack Miller, John Turner, John Wilson, Cary Zeitlin

12:30 – 1:30 pm *Lunch (On your Own)*

1:30 – 2:15 **Guest speaker: Douglas Spitz** (Reactive oxygen species, endogenous oxidative stress, radiation-induced ROS)

Session B -- Characterization of Initial Biological Damage and Repair

2:15-2:45 Overview speaker: **Susan Wallace** (also, comments on structural biology projects)

2:45-3:00 *Coffee Break*

3:00- 4:00 **Panel: DNA, Mutation, and Chromosome Damage and repair**
Michael Cornforth, James Haber, Priscilla Cooper, Larry Thompson, Kerry Bloom, William Dynan

4:00-5:00 **Panel: Radiation vs Endogenous Damage and Repair**
Edwin Goodwin, Betsy Sutherland, Bruce Ames, Alec Morley, Susan Wallace

5:30 - 7:30 pm **POSTER VIEWING**

Thursday, June 28

8:00-8:30 am *Continental Breakfast*

8:30-9:30 **Guest Speaker: Mina Bissell** (Non-nuclear targets in radiation-induced cancer)

Session C -- Processing of Cellular and Molecular Damage

9:30-10:00 Overview Speaker: **Thea Tlsty**

10:00-10:15 *Coffee Break*

10:15-11:30 **Panel: Gene Induction and Adaptive Response**

Michael Joiner, Andrew Wyrobek, Jim Tucker, Albert Fornace, David Chen, Thomas Weber, Leslie Redpath

11:30-1:00 *Lunch (On your Own)*

1:00-2:30 **Panel: Bystander Effects and Genomic Instability**

Charles Geard, Bruce Lehnert, John Little, Helen Evans, David Boothman, Eric Hall, Amy Kronenberg, Thea Tlsty, ~~William Morgan~~

2:30-3:00 *Coffee Break*

3:00 – 4:00 **Guest Speaker: Sharon Friedman** (communicating science with the public)

Session D – Communication and Outreach

4:00 – 5:00 **Panel: Communication and Outreach**

Antone Brooks, Jim Flynn, John Wassom, Dick Bull, Sharon Friedman, NCRP representative (James Adelstein)

5:30 – 7:30 pm **POSTER VIEWING**

Friday, June 29

8:00-8:30 am *Continental Breakfast*

8:30 – 9:45 **Guest Speaker: Michael Gould** (Use of animal models in cancer research)

Session E - Tissue and Animal Models

9:45 - 10:15 Overview Speaker: **Eleanor Blakely**

10:15 - 10:45 **Panel: Late Degenerative Radiation Effects**

Marcelo Vasquez, Eleanor Blakely, Bernard Rabin, Richard Setlow

10:45 - 11:00 *Coffee Break*

11:00 - 12:00 **Panel: Expression of Radiation Induced Cancer:**

Mary Helen Barcellos-Hoff, Frederick Burns, John Dicello, David Huso, James Morris, Robert Ullrich, Polly Chang

12:00 - 1:30 pm **Lunch (On your Own)**

1:30 – 2:15 **Guest Speaker: Kenneth Mossman** (Research needs for regulatory agencies)

Session F- Modeling and Radiation Risk Assessment

2:15 –2:45 Overview Speaker: **Francis Cucinotta**

2:45 –3:45 **Panel: Modeling Risk of Low Doses, Low Doserates, and Different Radiation Qualities**

David Brenner, Suresh Moolgavkar, Robert Scott, David Hoel, Alope Chatterjee, Kenneth Bogen, R.K. Sachs, Bruce Carnes, Francis Cucinotta, Lois Gold

3:45-4:00 *Coffee Break*

Session G –Genetic Susceptibility in Radiation-Induced Cancer

4:00 – 4:30 Overview speaker: **Eric Hall**

4:30 – 5:15 **Panel: Genetic Susceptibility**

Jeffrey Schwartz, Joel Bedford, Eric Hall, Harvey Mohrenweiser, Louise Prakash

Saturday, June 30

8:00-8:30 am Continental Breakfast

Session H: NASA Radiation Biology Review Panel Outreach Workshop
(all participants invited)

1:30 pm Workshop adjourns
